Subject index of volume 6

Accuracy 193
Agreement protocols 73
Assertional reasoning 121
Asynchronous communication 73
Atomic register 141
Atomicity 141

Binary decision diagram (BDD) 155 Bisimilarity 155 Bounded protocols 205 Byzantine agreement 181

Clock synchronization 193
Common knowledge 181
Communication paradigm 193
Communication-closed layers 107
Complexity 165
Composite register 141
Composition 39
Concurrency 65, 141
Consistent coordination 181
CSS 155

Database 5
Dining philosophers 233
Distributed algorithms 211, 233
Distributed computing 211
Distributed programs 10
Distributed systems 73, 181
Drinking philosophers 233
Dynamic programming 165

Eventuality properties 107 Executable specifications 19 Fairness 221, 245
Faulttolerance 181
Formal specification 121
Formal verification 121

Hyperfairness 245

Interaction fairness 221
Interactive systems 5
Interface 39
Interleaving semantics 141
Interleaving sets 107
I/O automata 121

Joint actions 19

Knowledge 73

Linear systolic arrays 165 Linearizability 141

Modal logic 73
Modular arrays 165
Modularity 233
Module 39
Multiparty interaction 245
Multiway interaction 221
Mutual exclusion 95

Parallel algorithms 165
Parallel programs 99
Partial order semantics 107
Possibilities mappings 121
Precedence relation 205
Precision 193

Priority queues 99
Probabilistic protocols 95
Process algebra 155
Process fairness 221
Program design 99
Progress functions 121
Proof lattices 107

Reactive systems 19 Real time 193 Representative sequences 107 Resource allocation 233

Self-stabilization 95
Serializability 5, 65
Serializability 5, 65
Serializable databases 19
Shared variable 141
Snapshot 141
Specification 5, 39, 65
Specification languages 19
Starvation 245
Superposition 19
Symbolic model checking 155
Synchronization 245
Synchronization 245
Synchronous communication 221
Systolic arrays 99

Timed automata 121
Time-stamps 205
Timing properties 121
Timing-based algorithms 121
Transition system 155

Verification 39, 65, 107 VLSI 99

Subject index of volume 6

Accuracy 193
Agreement protocols 73
Assertional reasoning 121
Asynchronous communication 73
Atomic register 141
Atomicity 141

Binary decision diagram (BDD) 155 Bisimilarity 155 Bounded protocols 205 Byzantine agreement 181

Clock synchronization 193
Common knowledge 181
Communication paradigm 193
Communication-closed layers 107
Complexity 165
Composite register 141
Composition 39
Concurrency 65, 141
Consistent coordination 181
CSS 155

Database 5
Dining philosophers 233
Distributed algorithms 211, 233
Distributed computing 211
Distributed programs 10
Distributed systems 73, 181
Drinking philosophers 233
Dynamic programming 165

Eventuality properties 107 Executable specifications 19 Fairness 221, 245
Faulttolerance 181
Formal specification 121
Formal verification 121

Hyperfairness 245

Interaction fairness 221
Interactive systems 5
Interface 39
Interleaving semantics 141
Interleaving sets 107
I/O automata 121

Joint actions 19

Knowledge 73

Linear systolic arrays 165 Linearizability 141

Modal logic 73
Modular arrays 165
Modularity 233
Module 39
Multiparty interaction 245
Multiway interaction 221
Mutual exclusion 95

Parallel algorithms 165
Parallel programs 99
Partial order semantics 107
Possibilities mappings 121
Precedence relation 205
Precision 193

Priority queues 99
Probabilistic protocols 95
Process algebra 155
Process fairness 221
Program design 99
Progress functions 121
Proof lattices 107

Reactive systems 19 Real time 193 Representative sequences 107 Resource allocation 233

Self-stabilization 95
Serializability 5, 65
Serializability 5, 65
Serializable databases 19
Shared variable 141
Snapshot 141
Specification 5, 39, 65
Specification languages 19
Starvation 245
Superposition 19
Symbolic model checking 155
Synchronization 245
Synchronization 245
Synchronous communication 221
Systolic arrays 99

Timed automata 121
Time-stamps 205
Timing properties 121
Timing-based algorithms 121
Transition system 155

Verification 39, 65, 107 VLSI 99

